

CLAIMS

What is claimed is:

1. A method of manufacturing a filter comprising the steps of:
 - a) dispensing an adhesive including an RF receptive material;
 - b) arranging the adhesive between first and second filter components; and
 - c) exposing the adhesive to RF waves and exciting the RF receptive material to cure the adhesive.
2. The method according to claim 1, wherein the first and second components respectively are a filter media and an end disc.
3. The method according to claim 2, wherein the end disc is a non-metallic end disc.
4. The method according to claim 2, wherein the filter media is a paper filter media.
5. The method according to claim 2 comprising the step of fully curing the filter media prior to performing step c).
6. The method according to claim 5, wherein step c) generates heat in a middle portion of the filter media below a cure temperature.
7. The method according to claim 2, wherein step b) comprises arranging the adhesive between the filter media and another end disc prior to performing step c).

8. The method according to claim 7, wherein step c) comprises emitting the RF waves from opposing RF transmitters arranged proximate to the end disc and the other end disc.
9. The method according to claim 7 comprising the step of installing a center tube in the filter media prior to performing the step of arranging the adhesive between the filter media and another end disc.
10. The method according to claim 1, wherein the adhesive is plastisol.

11. A fluid filter assembly comprising:
an end disc;
a filter media arranged between said first and second end discs; and
an adhesive including an RF receptive material for generating heat in response to exposure to RF waves, said adhesive joining said filter media to said end disc.
12. The fluid filter assembly according to claim 11, wherein said adhesive is plastisol.
13. The fluid filter assembly according to claim 11 comprising another end disc, said adhesive joining said filter media to said other end disc.
14. The fluid filter assembly according to claim 13 comprising a center tube arranged within said filter media between said end discs.
15. The fluid filter assembly according to claim 11, wherein said end disc is non-metallic.
16. The fluid filter assembly according to claim 11, wherein said end disc is constructed from said adhesive material.